

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
42-F-0008

CUSTOMER NO.
1726

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

CVB-VS-APHIS-USDA
1800 DAYTON RD
AMES, IA 50010
(515) 663-7331

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

b2 high, b7F

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests: (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats	10			9	9
6. Guinea Pigs		601	315	149	1065
7. Hamsters		2572		857	3429
8. Rabbits		59	222		281
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goat		7			7
13. Other Animals					

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE

(b)(6), (b)(7)(C)

AL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(6), (b)(7)(C)

DATE SIGNED

29-Nov-06

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PART 1 - HEADQUARTERS

Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by a lay persons as well as scientists.

1. Registration Number: 42-F-0008
2. Number 7 (7 in Cat. E) of animals in this study.
3. Species (common name) Cat of animals used in the study.
4. Explain the procedure producing pain and/or distress.

The cats were challenged with a feline panleukopenia virus in order to evaluate the virulence of challenge virus for 9 CFR 113.203 testing.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below):

APHIS Biologics requires the virus be evaluated by the same method used in APHIS, 9 CFR 113.203 which does not allow the use of pain relieving drugs. The disease must progress unaltered by drugs until laboratory tests confirm the leukopenia required by this regulatory test. Euthanasia is performed immediately after a 25% reduction of the WBC (white blood cells) is observed.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

None.

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1. Registration Number: 42-F-0008
2. Number 2 (2 in Cat. E) of animals in this study.
3. Species (common name) Cat of animals used in the study.
4. Explain the procedure producing pain and/or distress.

The cats were challenged with a feline calicivirus in order to produce reagent challenge virus for testing of veterinary biologicals according to 9CFR 113.314 (c) (3).

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below):

Immediately after diagnostic clinical signs or lesions were observed, the animals were euthanized. Pain medications would interfere with determining the timing of diagnostic clinical signs.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

None.

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1. Registration Number: 42-F-0008
2. Number 407 (113 in Cat. E) of animals in this study.
3. Species (common name) Guinea Pigs of animals used in the study.
4. Explain the procedure producing pain and/or distress.

Clostridium chauvoei, *C. haemolyticum*, and *C. septicum* challenge tests - animals became ill from challenge with these organisms as required by 9 CFR 113, or APHIS approved Manufacturer's Outline of Production.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

Mandated by 9 CFR 113, or APHIS approved Manufacturer's Outline of Production.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

APHIS, 9 CFR 113.106 and 113.107, however, the *C. septicum* challenge tests are mandated by an APHIS-approved Manufacture's Outline of Production according to the 9 CFR 113.

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1. Registration Number: 42-F-0008
2. Number 301 (36 in Cat. E) of animals in this study.
3. Species (common name) Guinea Pigs of animals used in the study.
4. Explain the procedure producing pain and/or distress.

Potency testing of tetanus toxoids and antitoxins - animal getting insufficient protection from the tetanus antitoxin become sick from tetanus toxin challenge.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

Mandated by 9 CFR 113

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

APHIS, 9CFR 113.114 and 113.451

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1. Registration Number: 42-F-0008
2. Number 3429 (857 in Cat. E) of animals in this study.
3. Species (common name) Hamsters of animals used in the study.
4. Explain the procedure producing pain and/or distress.

Evaluation of Leptospira Bacterins and maintenance of challenge cultures cause animals to experience Leptospirosis.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

Mandated by 9 CFR 113.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

APHIS, 9CFR 113.101, 113.102, 113.103, and 113.104 which are all Leptospirosis tests.

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